

# In Vitro Growth of CD4+ Peripheral Blood T Cells in Serum-Free Medium

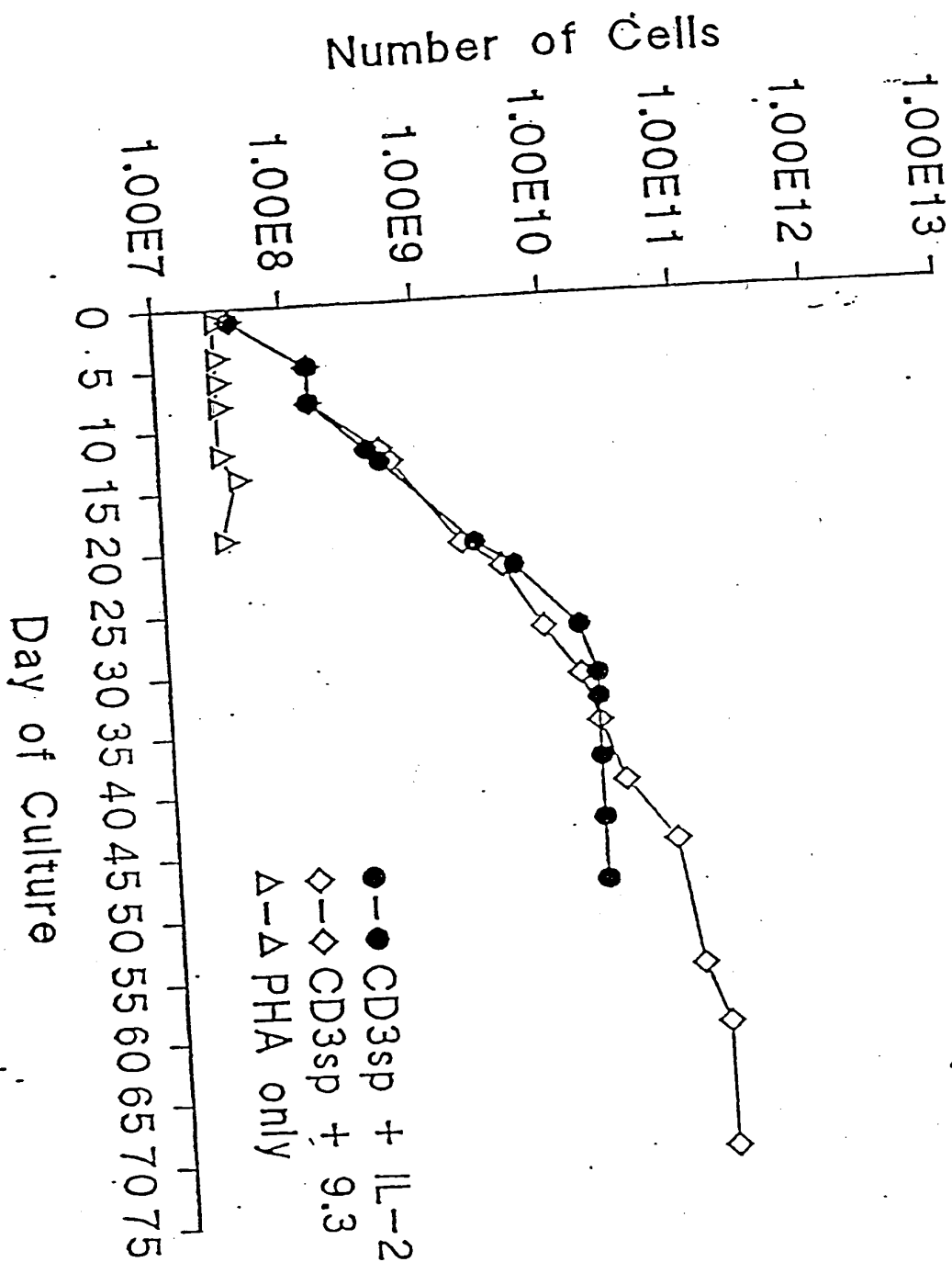


FIG. 1

# GAMMA/DELTA NO. 7

(RPMI w/ 10% FCS)

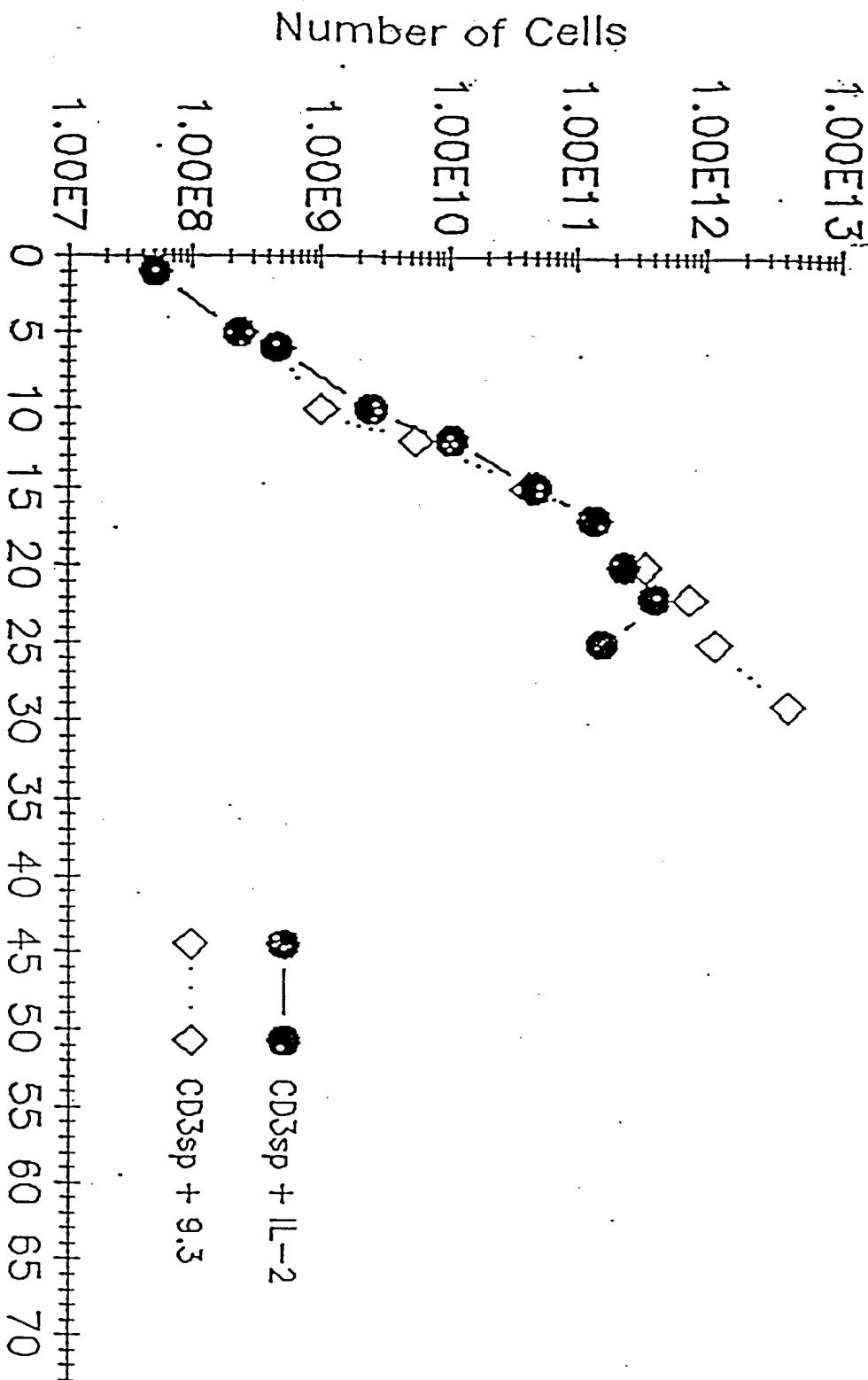


FIG. 2

# LT #13: GROWTH CURVES

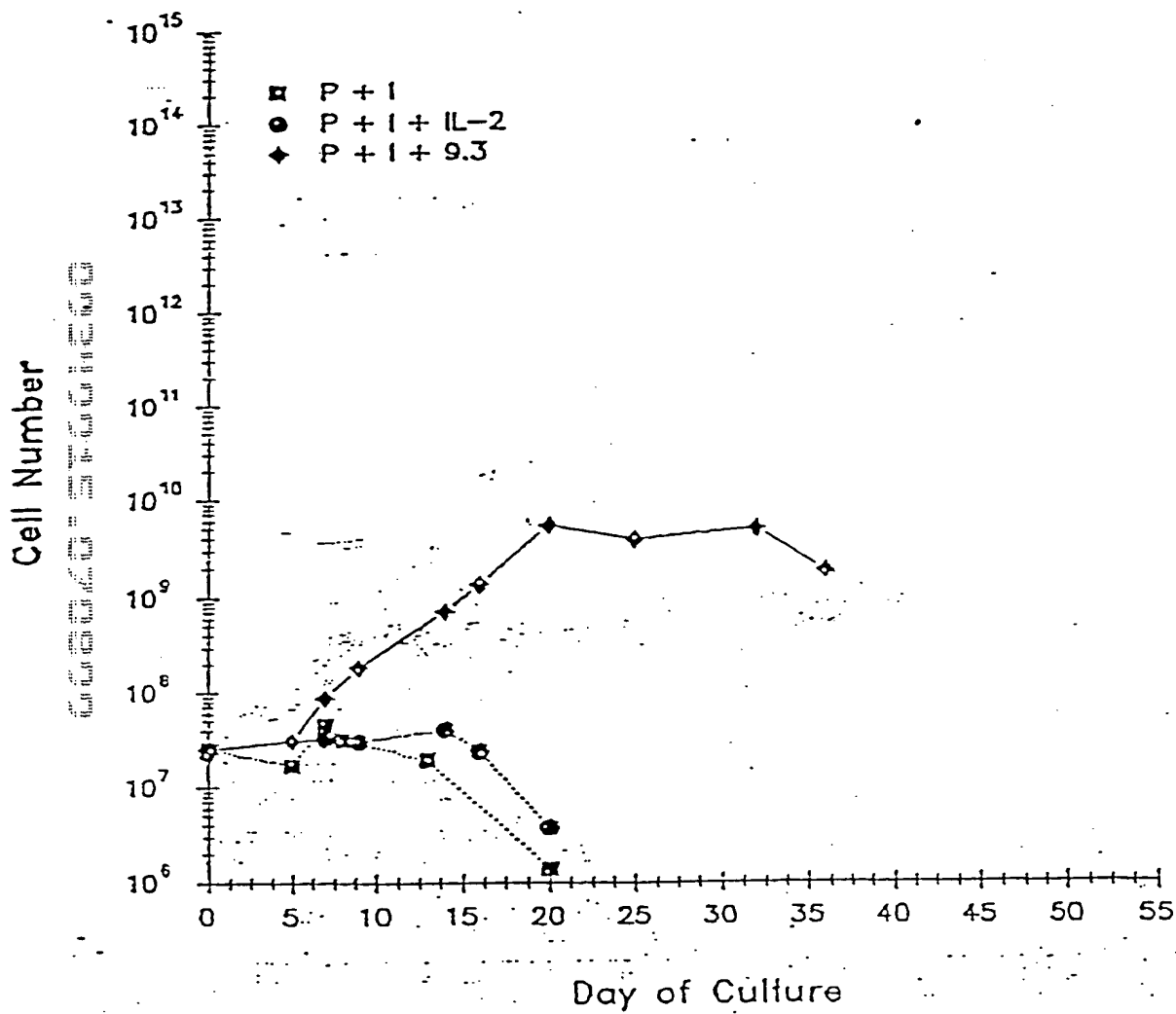
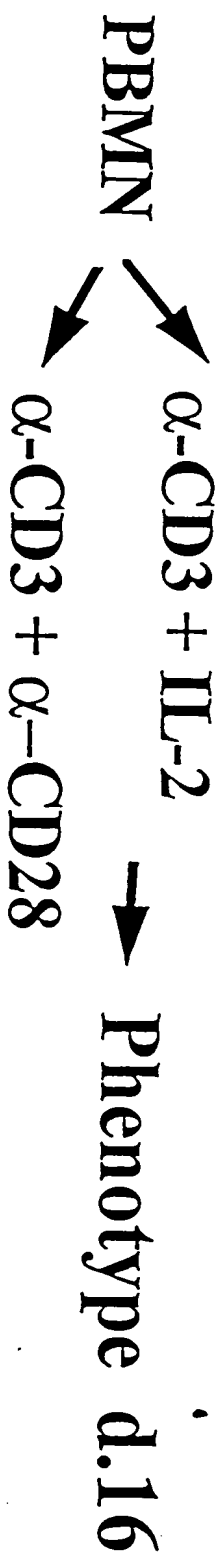


FIG. 3

# Selective Outgrowth of CD4<sup>+</sup> T Cells During CD28 Stimulated T Cell Expansion



Culture	Day 0		Day 16	
	CD4	CD8	CD4	CD8
	30.9		44.6	
	13.9		52.5	
CD3 + IL-2	8.0		84.5	
CD3 + CD28	44.6		52.5	

FIG. 4

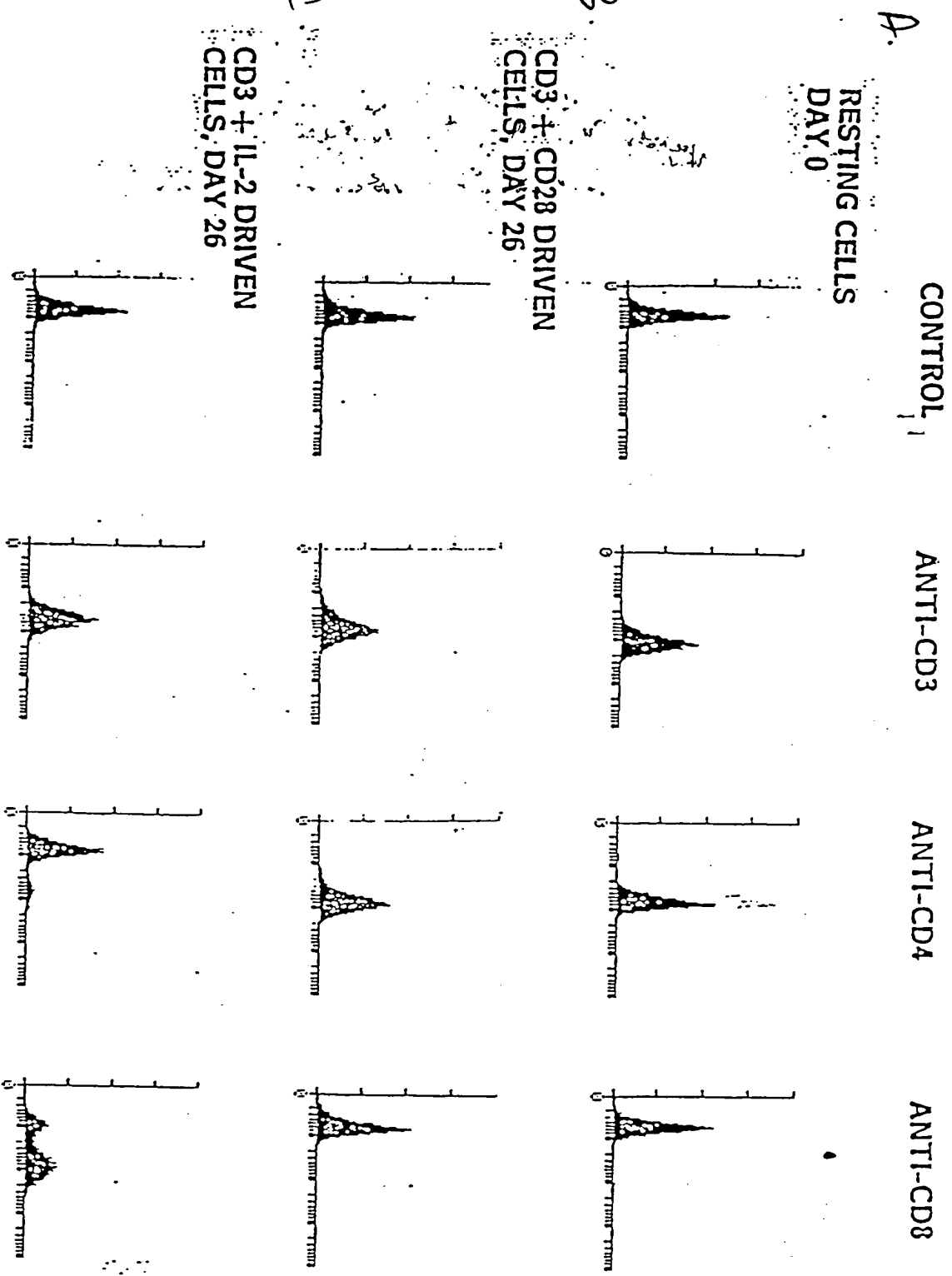
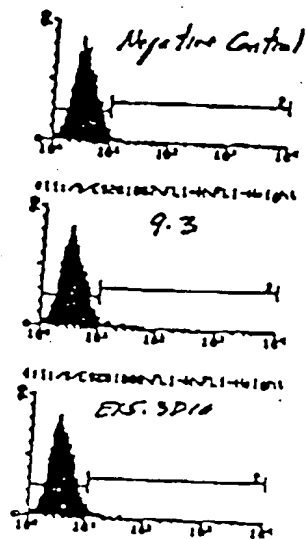


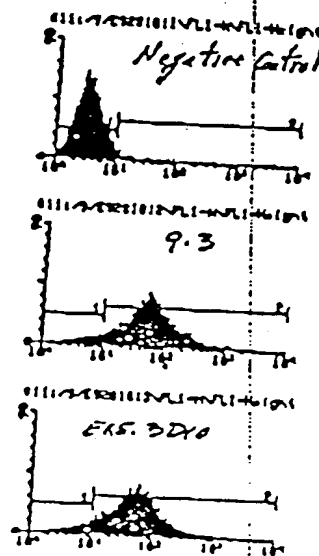
FIG. 5

mAb EX5.3D10

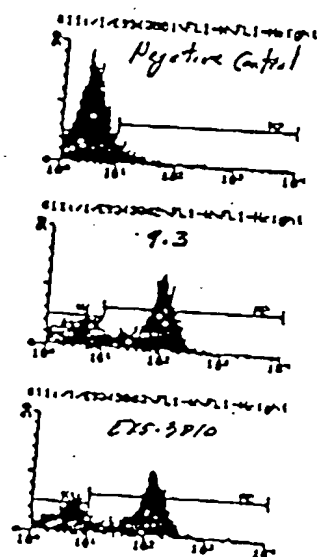
a. CHO-DG44 cells



b. CHO-hh cells



c. Unactivated PBLs



d. Jurkat #7 cells

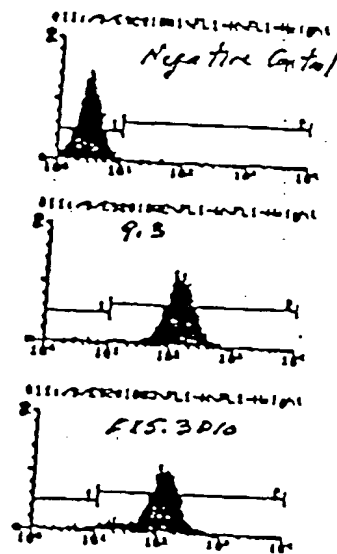
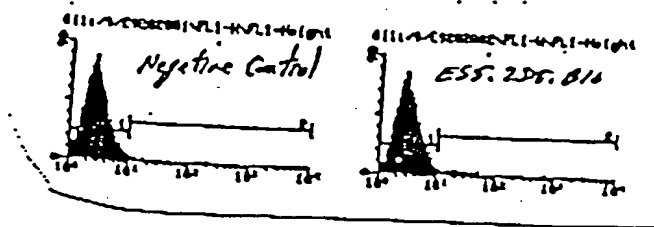


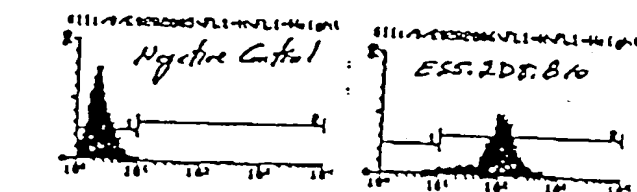
FIG. 6

mAb ES5.2D8

a. CHO-DG44 cells



b. CHO-105A cells



hPBLs:

c. Unactivated

d. PMA Activated

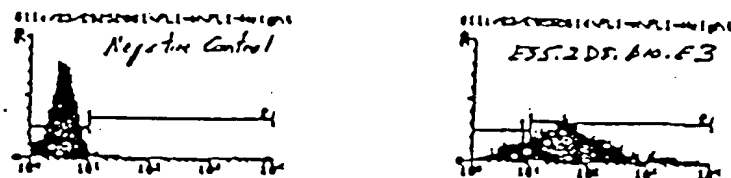


FIG. 7

MW  
116 -  
KD  
68 -  
43 -  
20 -  
-

FIG. 8



# Use of Cell Sizing to Propagate

CD4<sup>+</sup> T Cells

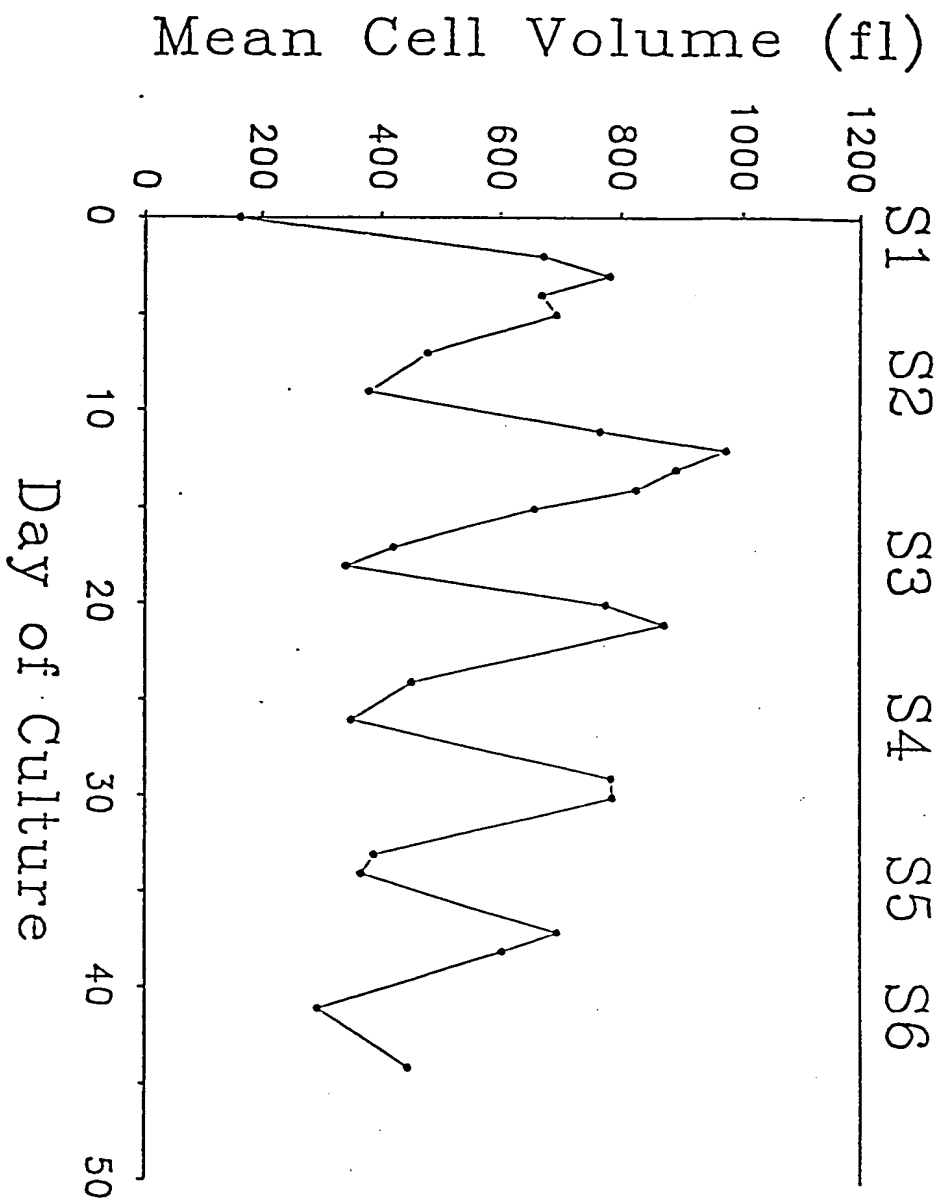


FIG. 9

Cells: CD28<sup>+</sup>/CD4<sup>+</sup>  
Stimulation: CD3sp + CD28

# Cyclic Expression of B7 on CD4<sup>+</sup> T Cells

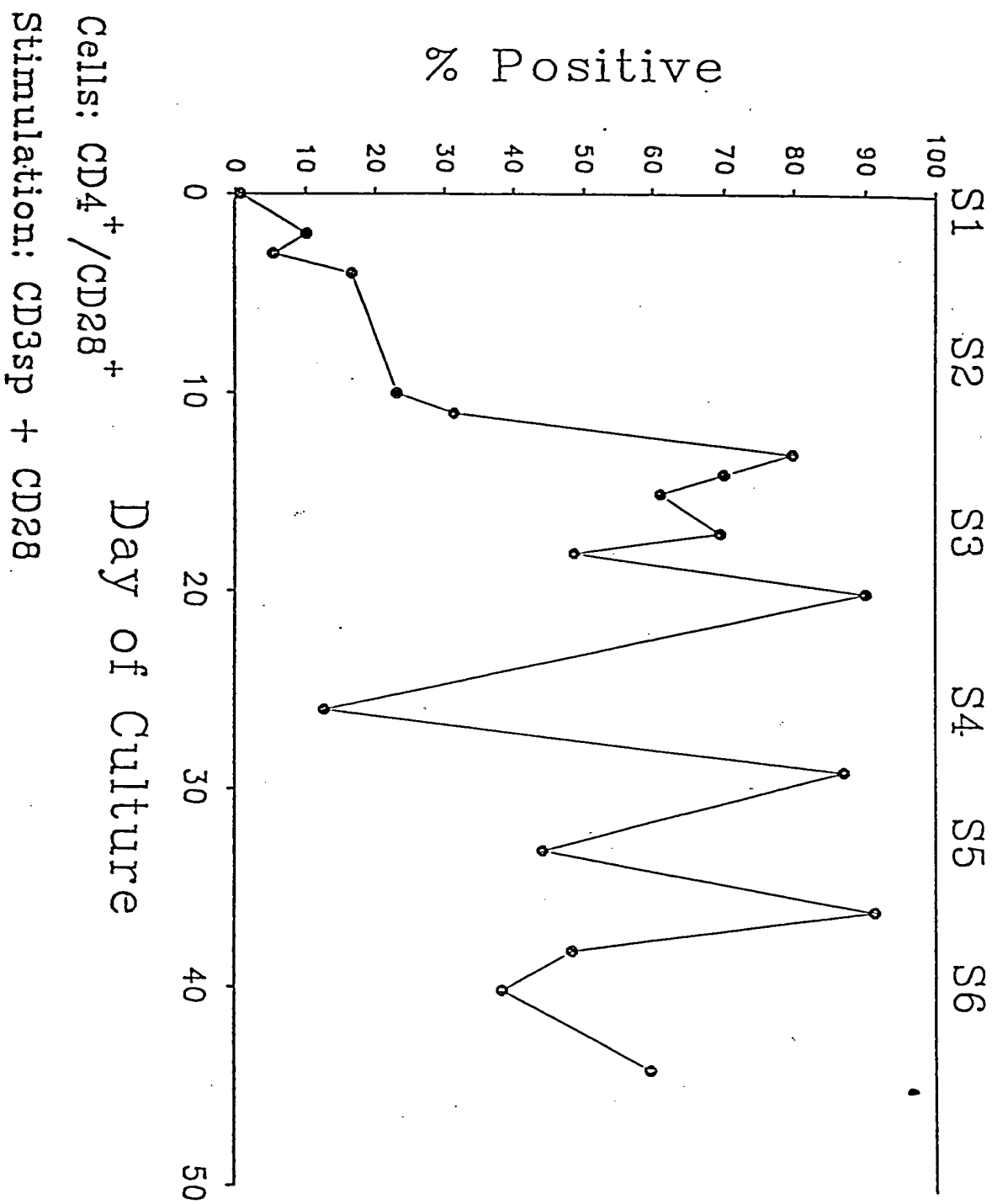


FIG. 10

# Cytokine Accumulation in Culture Supernatants

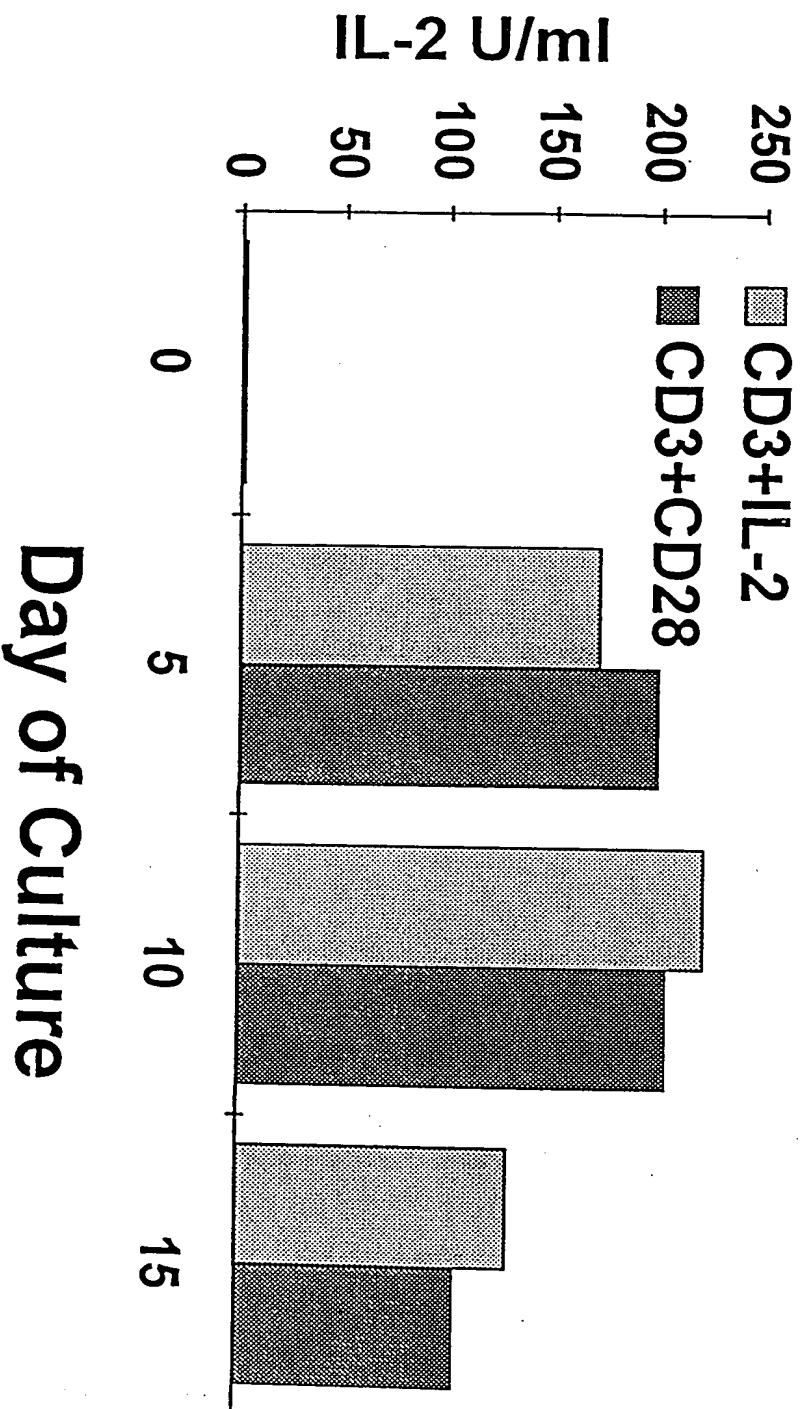
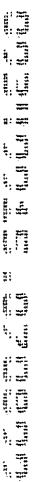


FIG. 11

FIG. 12



# Cytokine Accumulation in Culture Supernatants

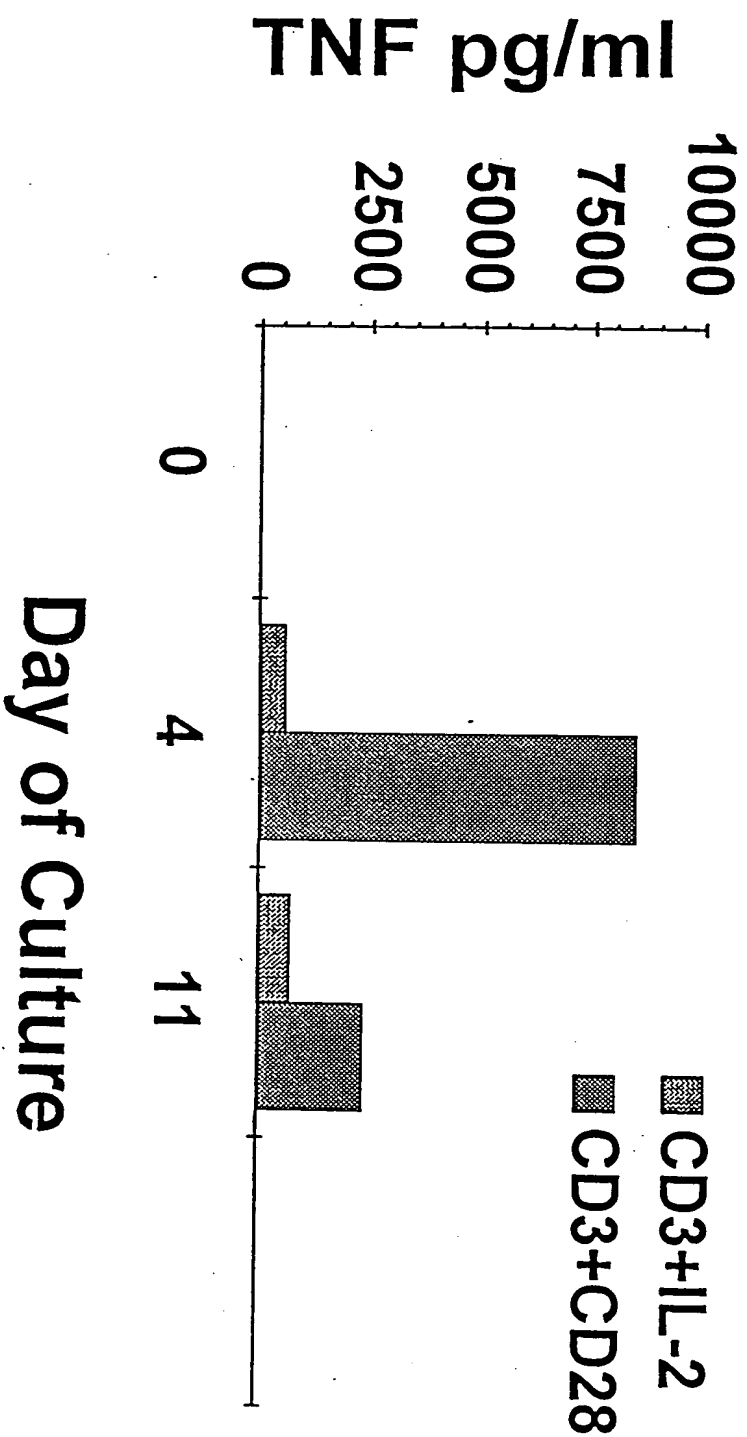


FIG. 13

# TCR Diversity

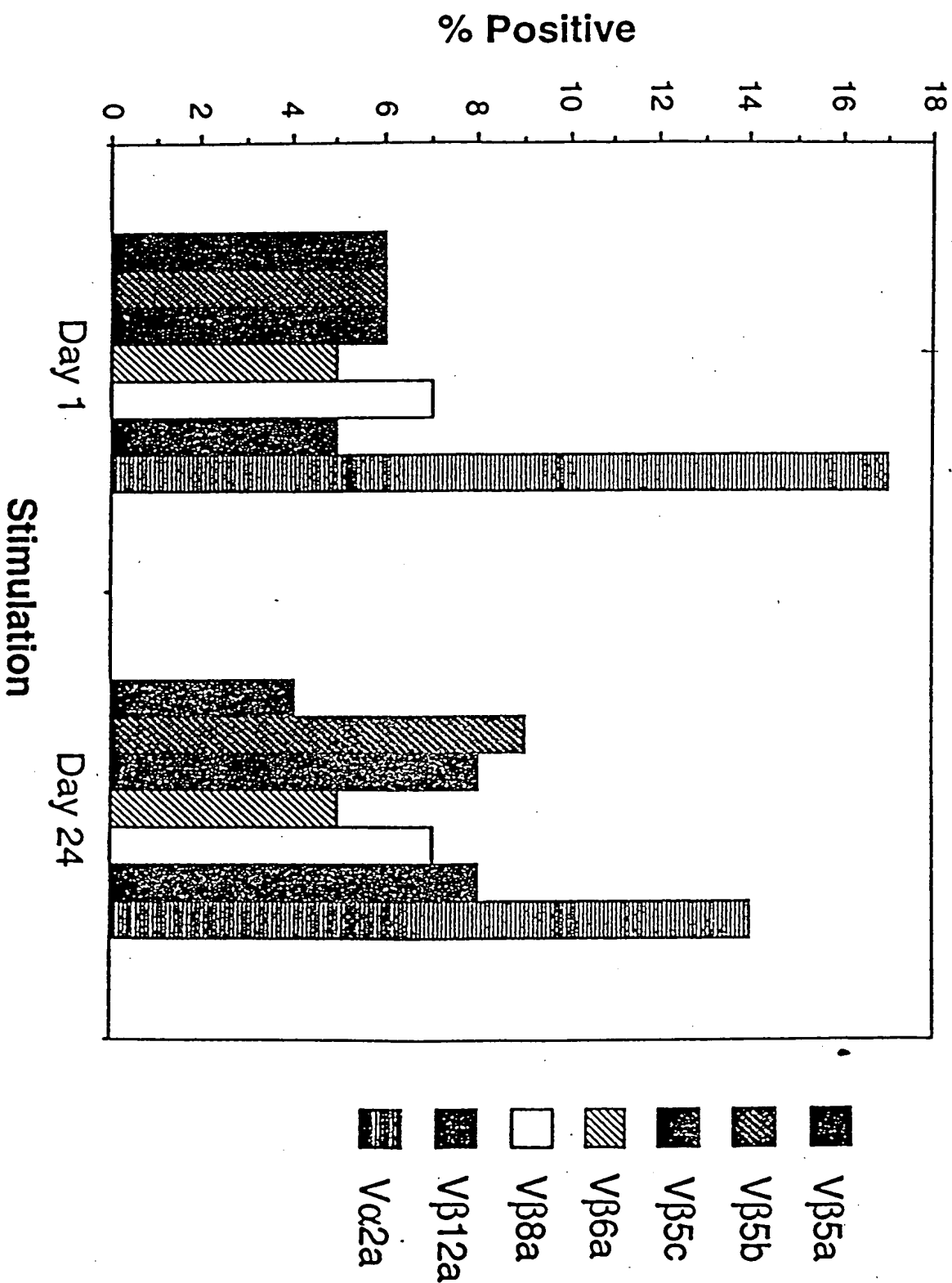


FIG. 14

# (HIV-) Cell Surface Staining

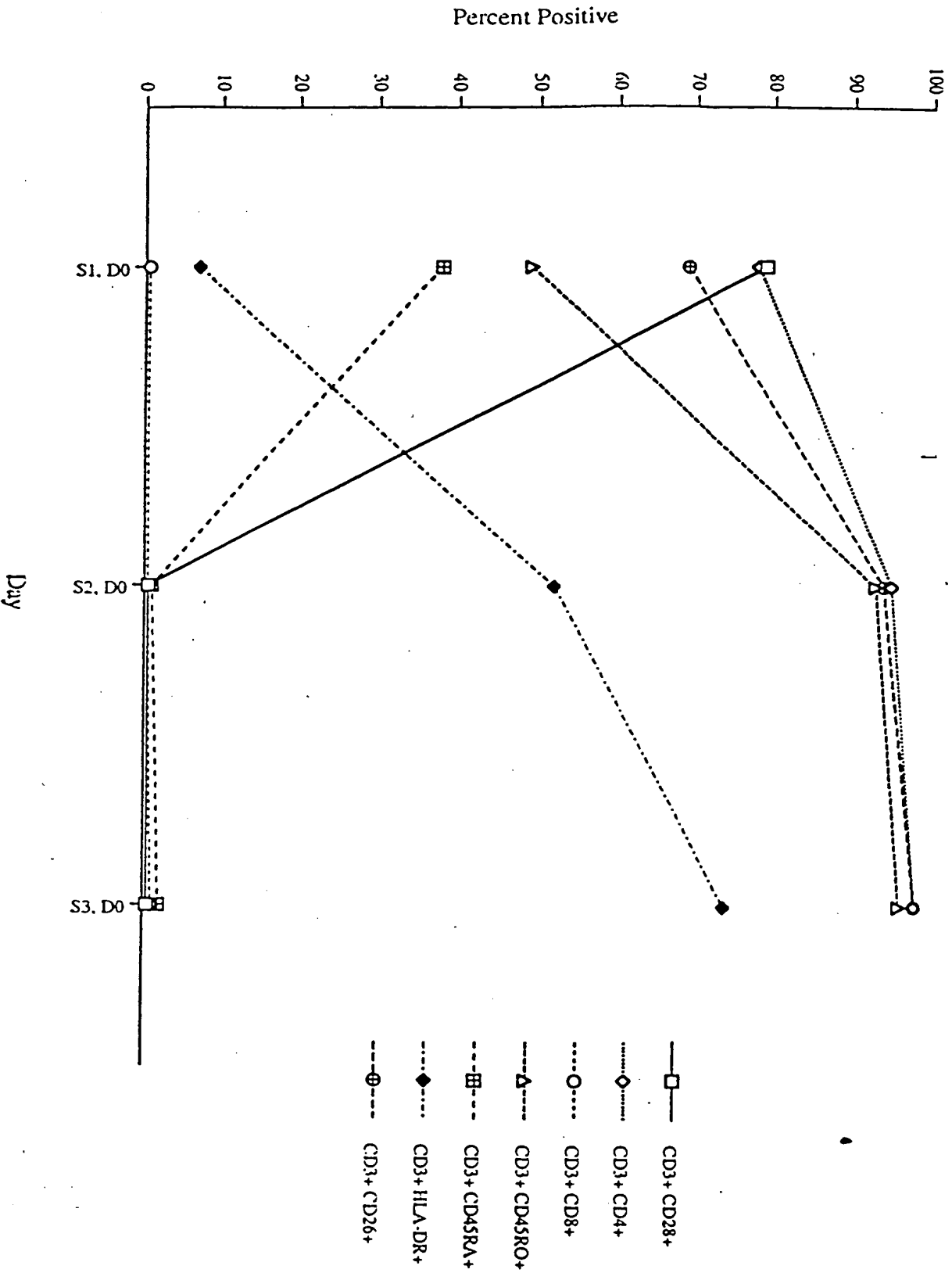


FIG. 15

# (HIV+) Cell Surface Staining

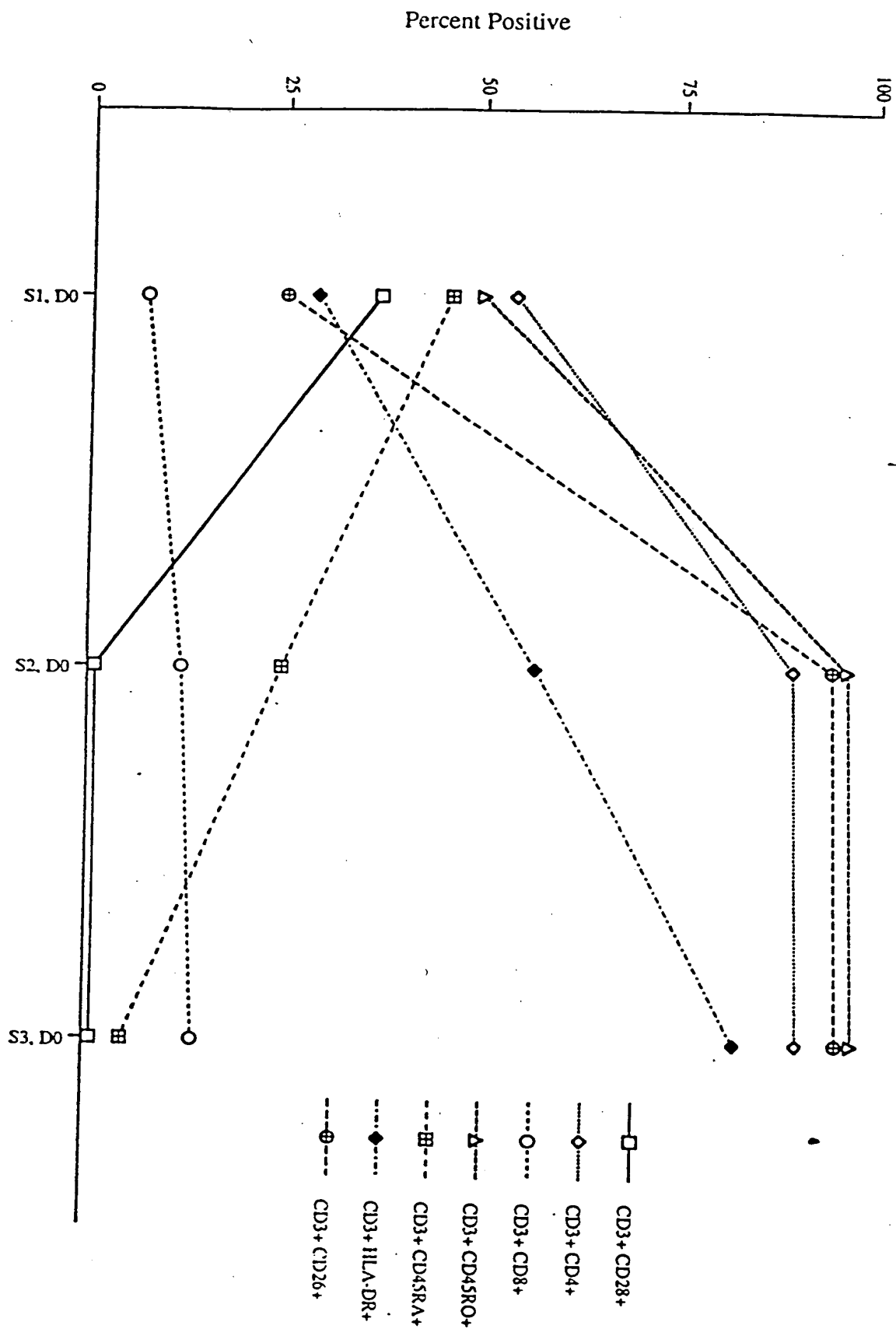
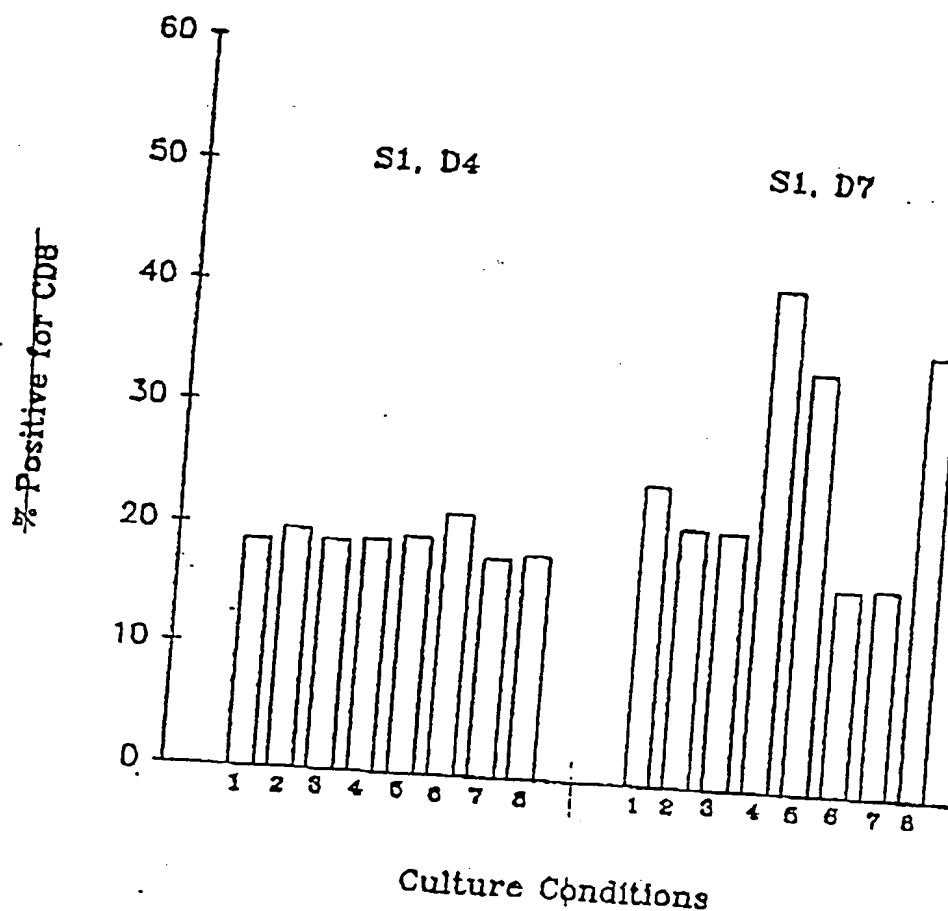


FIG. 16



# % Positive for CD8



- #1: G19-4sp + IL-2
- #2: G19-4sp + 9.3
- #3: G19-4sp + EX5.3D10
- #4: G19-4sp + ES4.2D8
- #5: G19-4sp + 7G11
- #6: G19-4sp + 9.3 + ES4.2D8
- #7: G19-4sp + 9.3 + 7G11
- #8: G19-4sp + ES4 + 7G11

FIG. 17

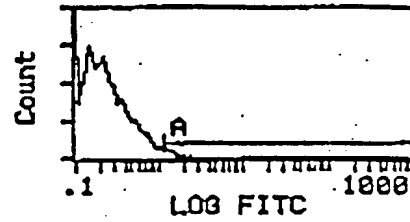
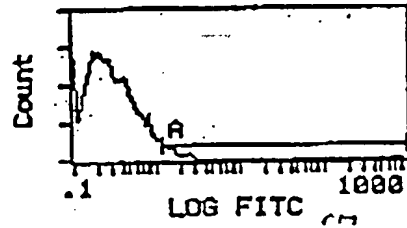
MOP cells transfected with plasmid encoding:

Vector

CD9

Cells stained  
with:

IgG



mAb 2D8

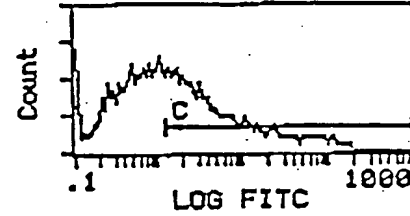
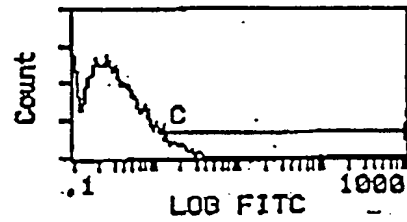


FIG. 18

Thymidine Incorporation (CPM)

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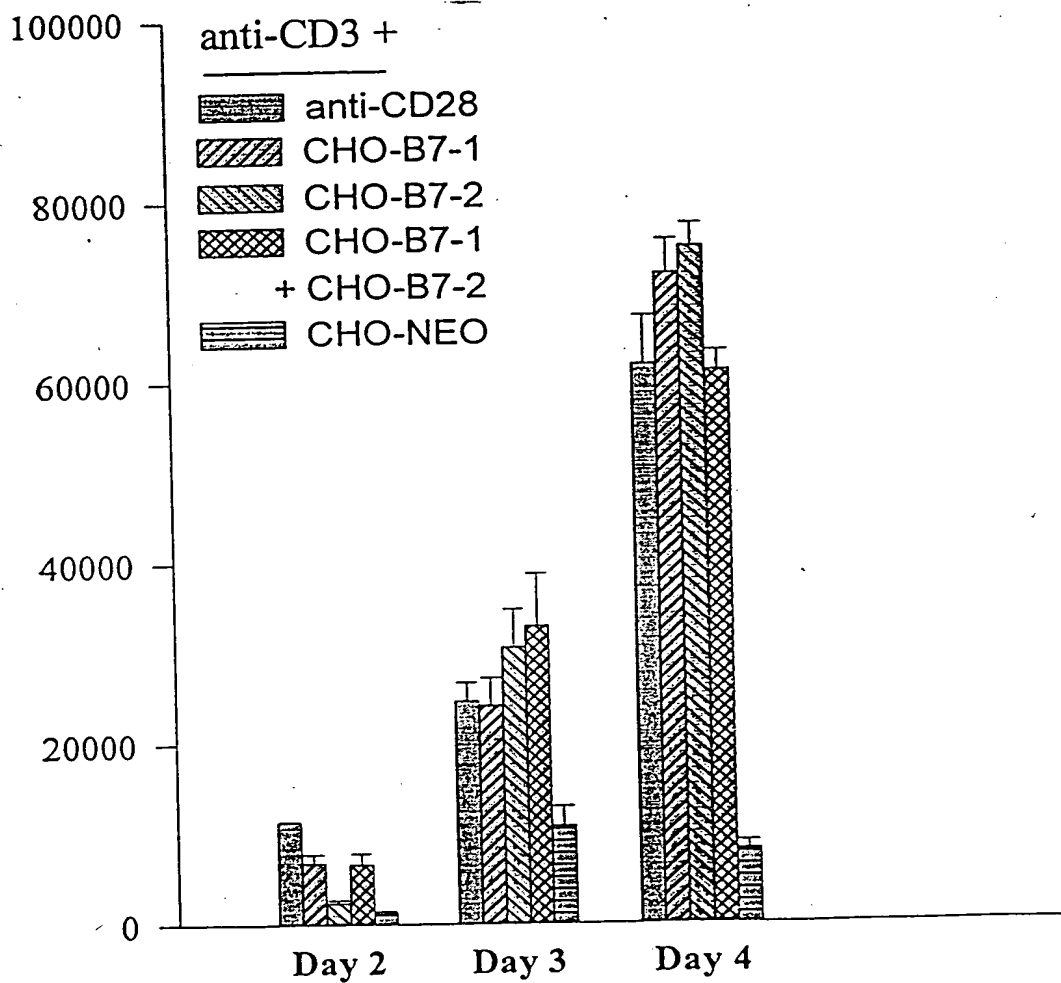


FIG. 19

Cellular Proliferation

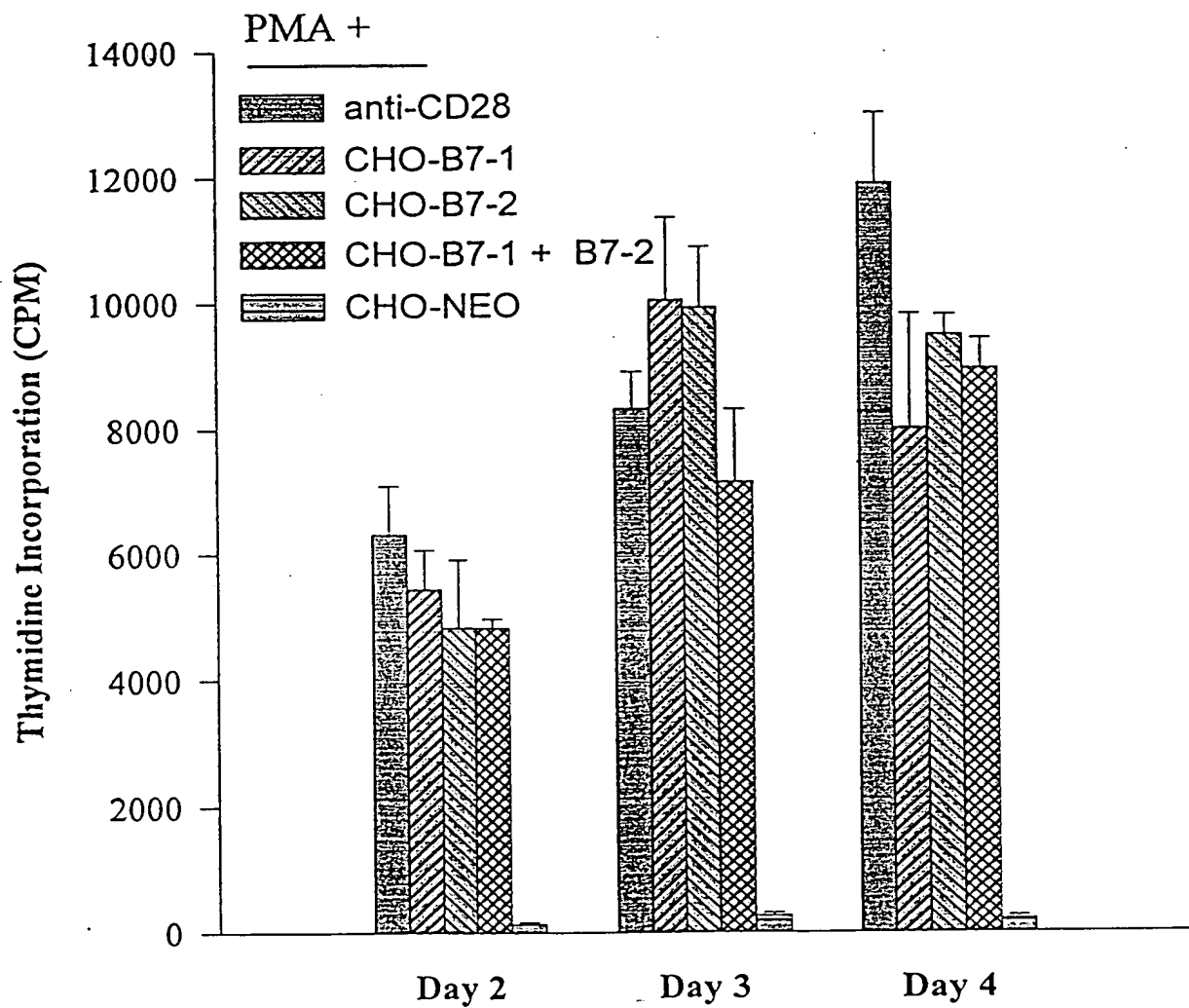


FIG. 20

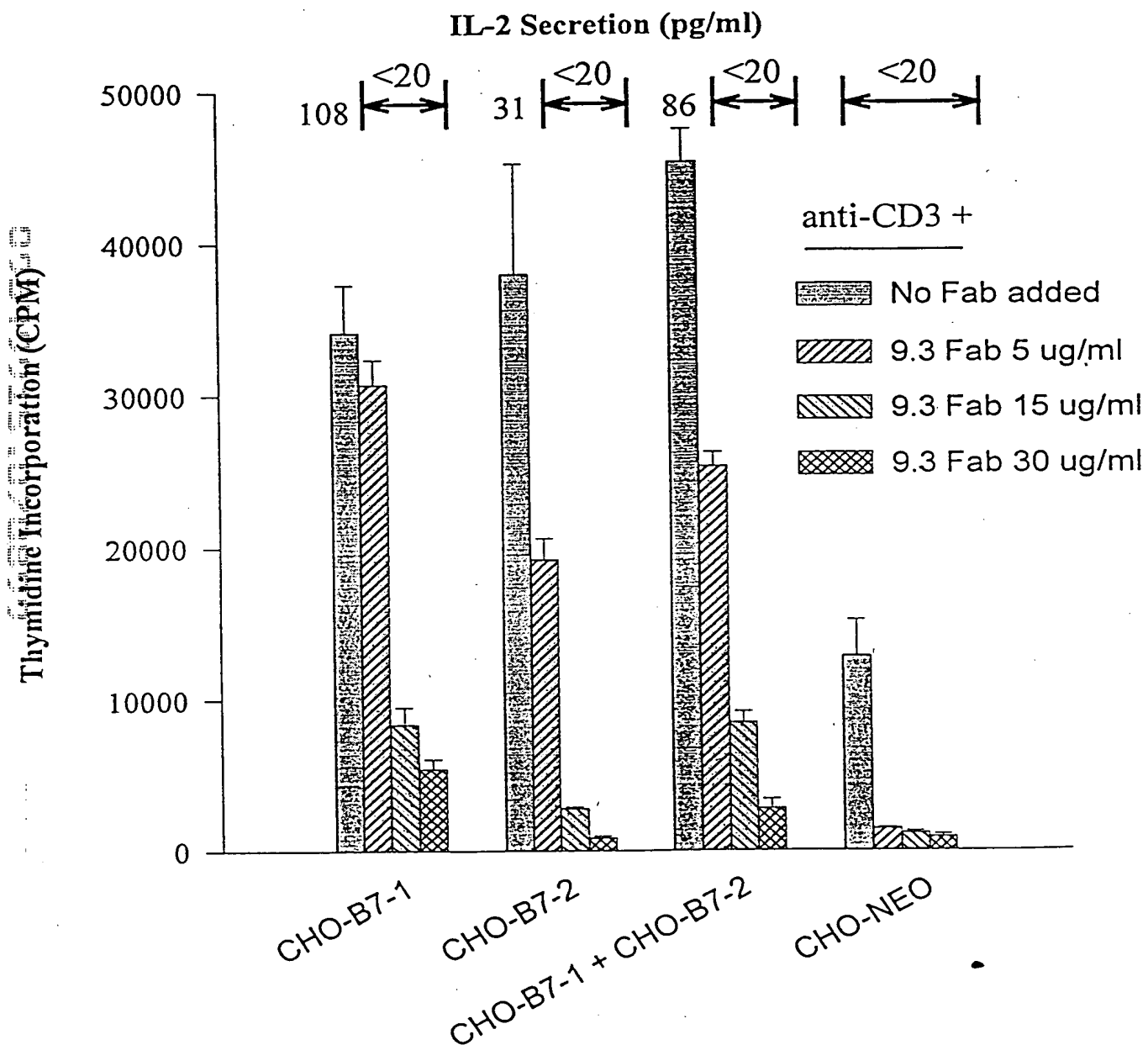


FIG. 21

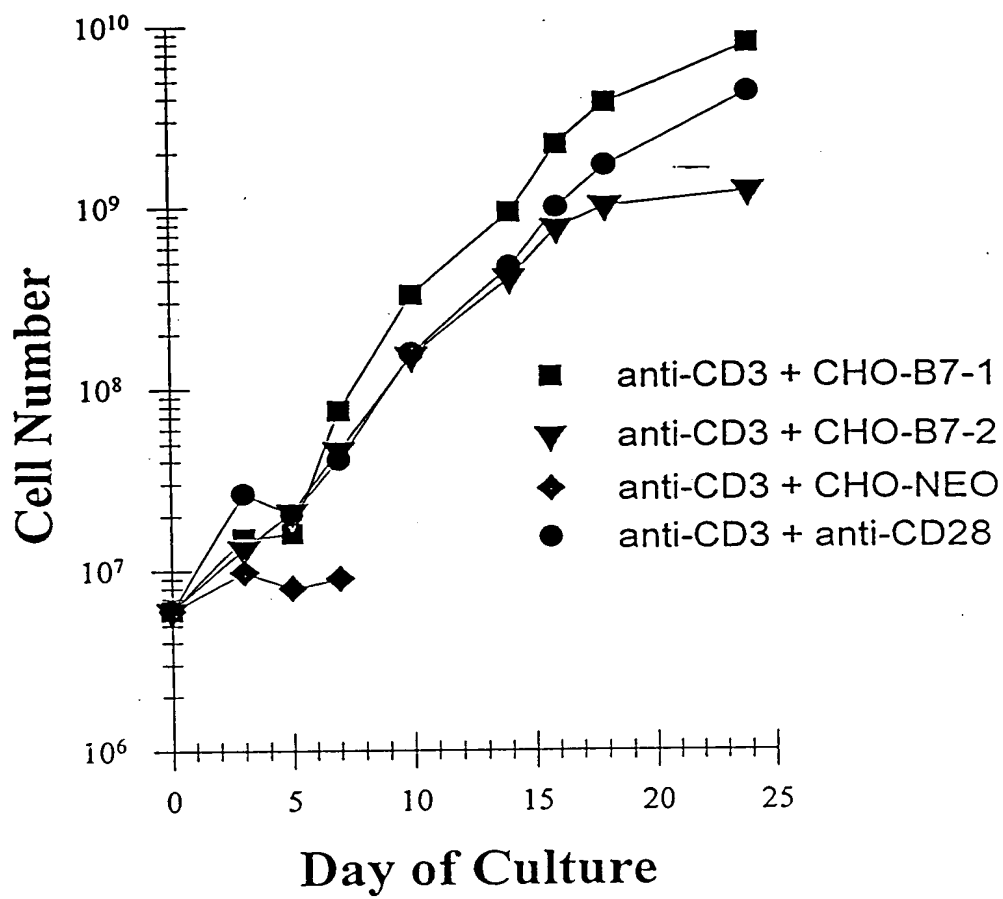
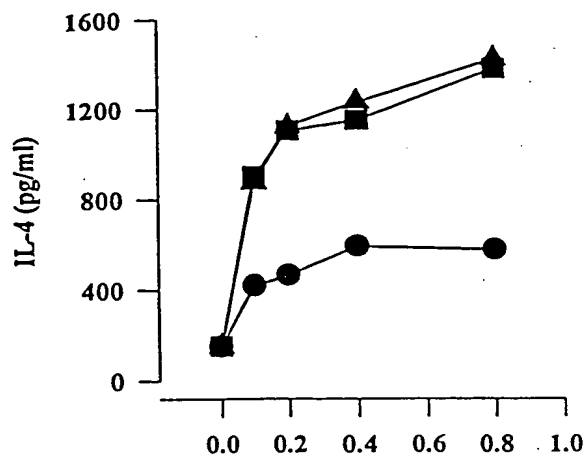
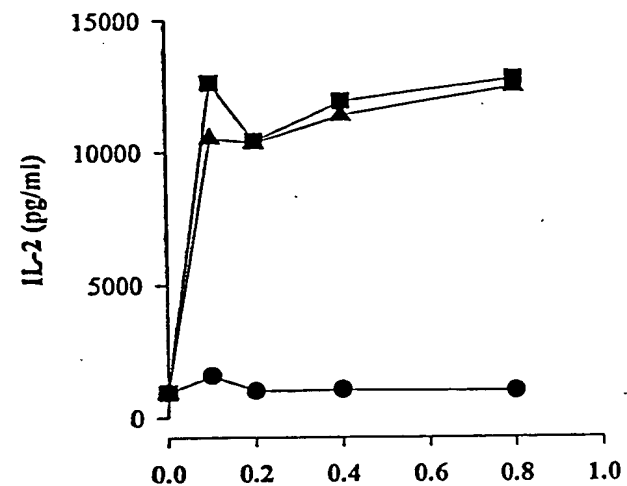
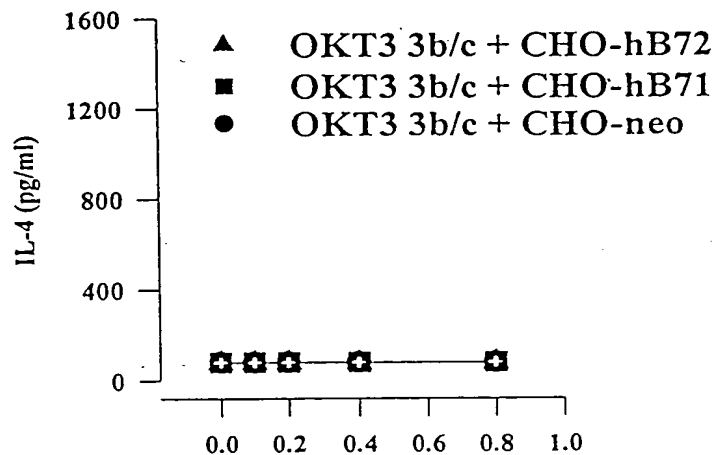
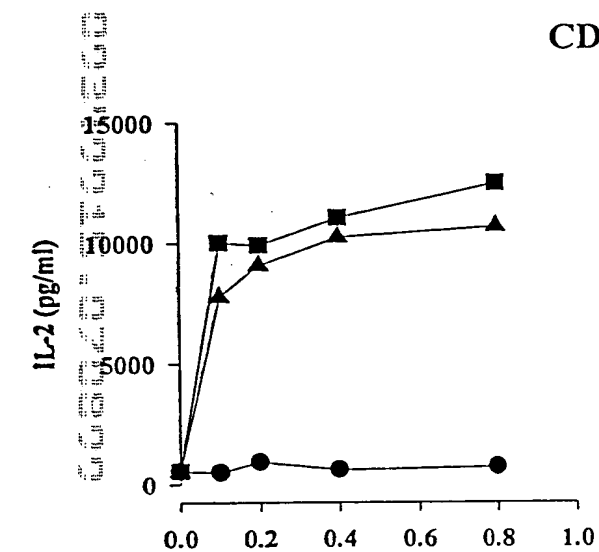


FIG. 22

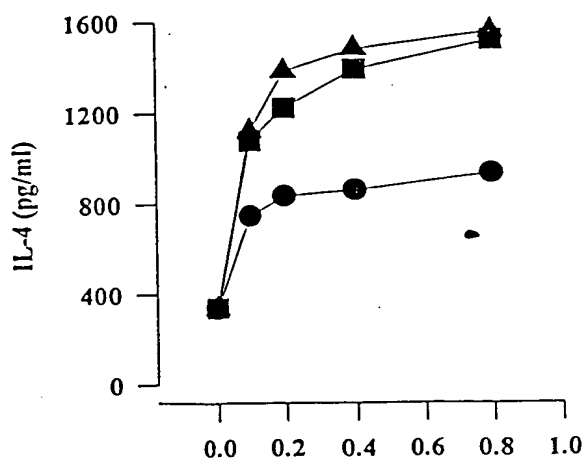
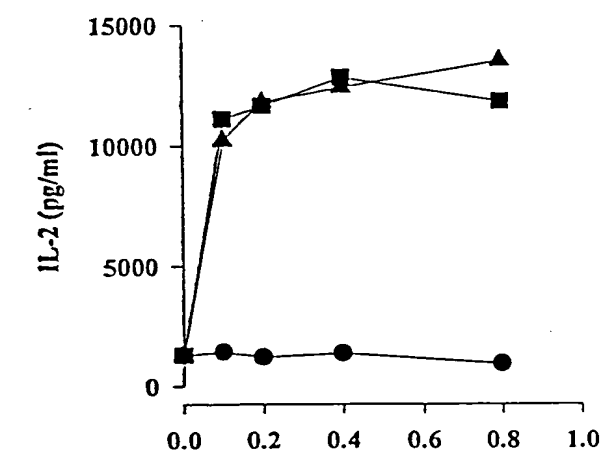
### CD4<sup>+</sup> T Cells



### CD4<sup>+</sup>/CD45RA<sup>+</sup> T Cells



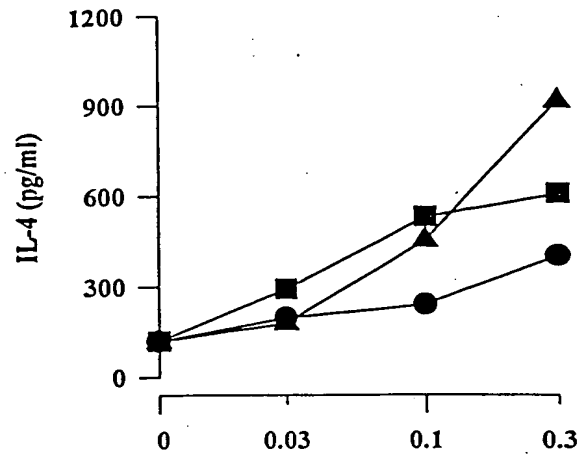
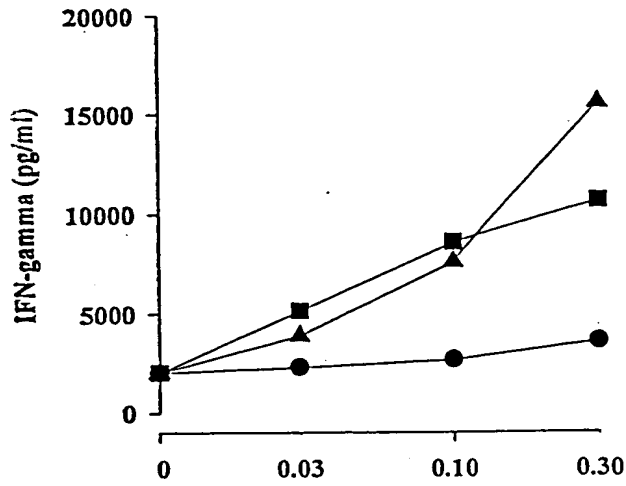
### CD4<sup>+</sup>/CD45RO<sup>+</sup> T Cells



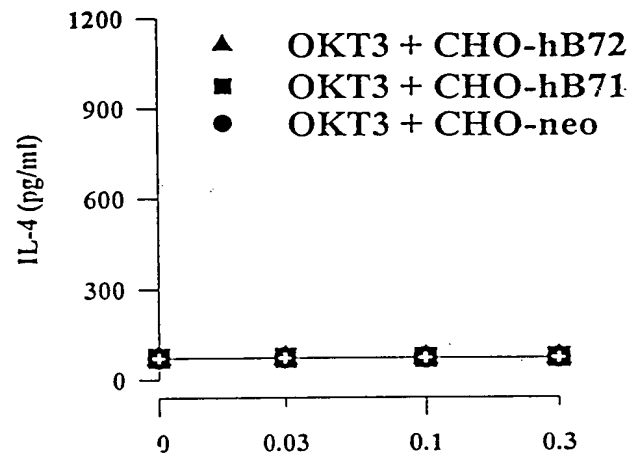
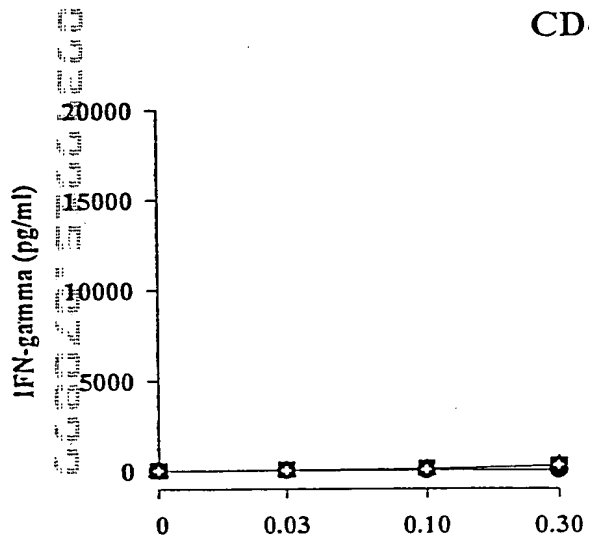
CHO Cells Per T Cell

FIG. 23

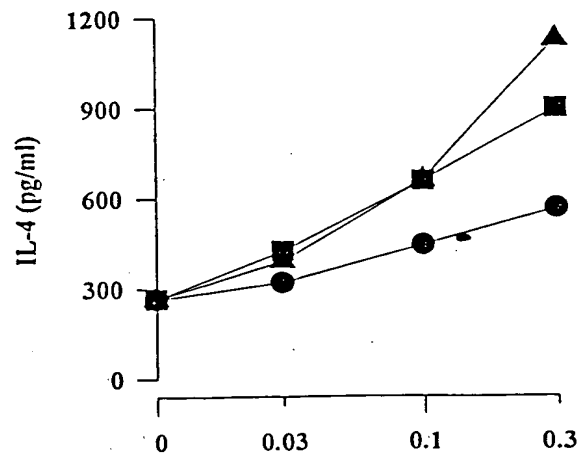
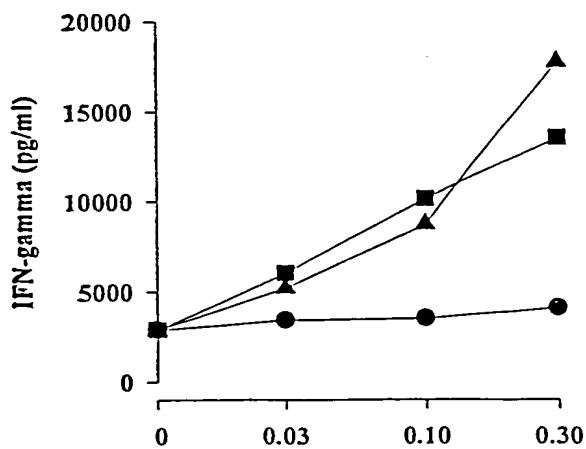
### CD4<sup>+</sup> T Cells



### CD4<sup>+</sup>/CD45RA<sup>+</sup> T Cells



### CD4<sup>+</sup>/CD45RO<sup>+</sup> T Cells



CHO Cells Per T Cell

FIG. 24



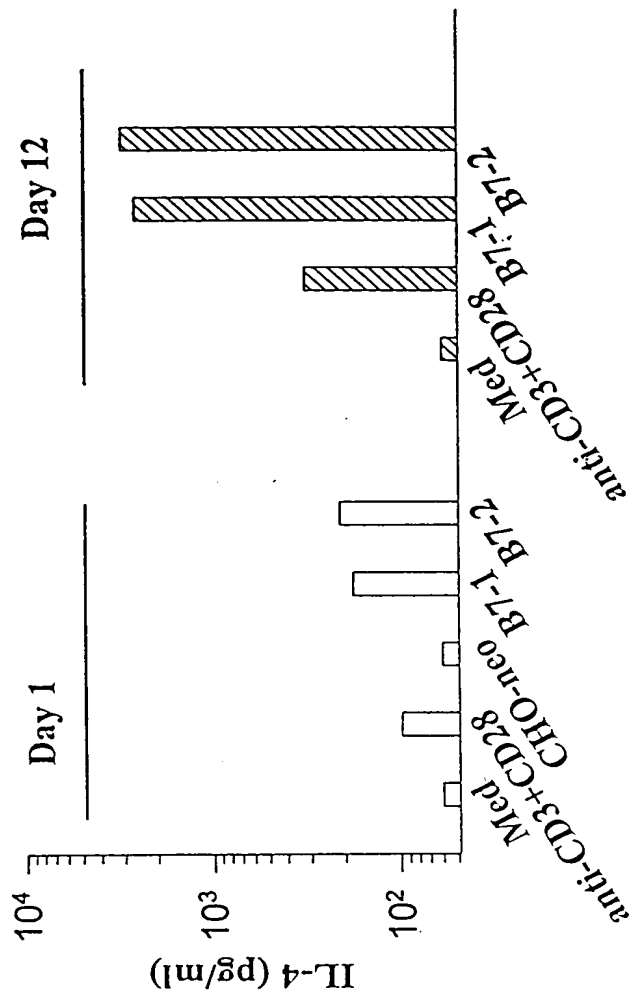
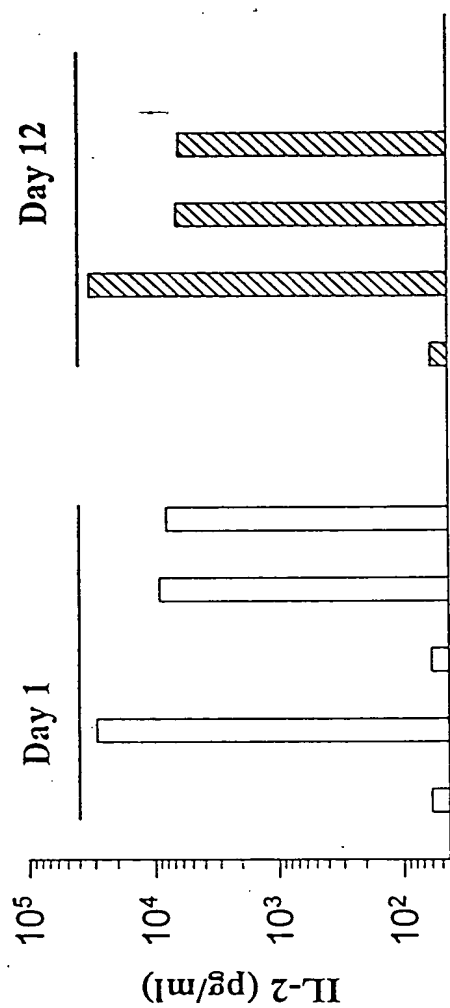


FIG. 25

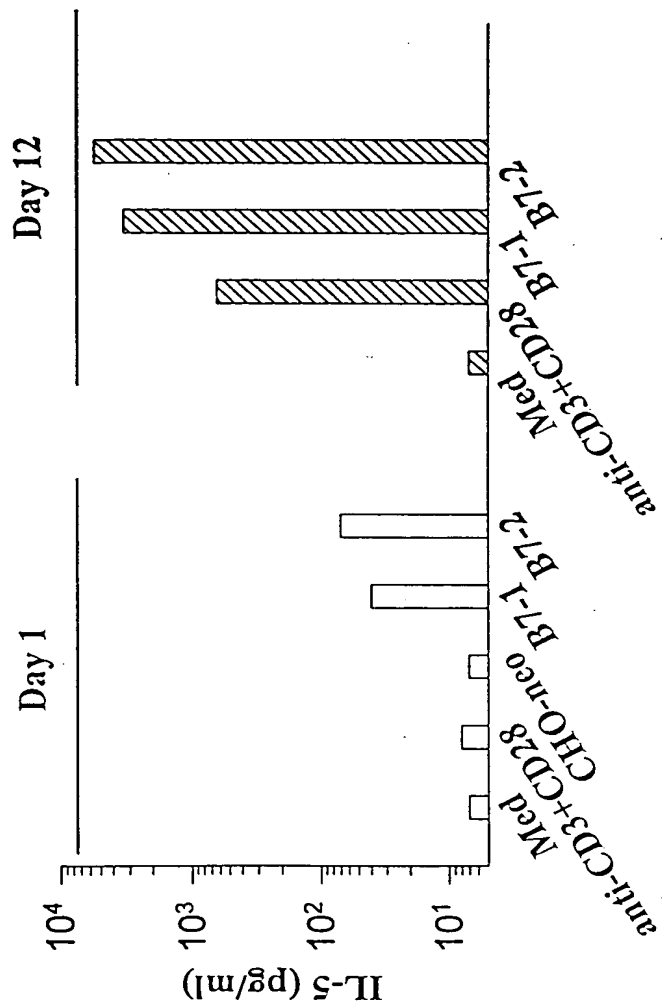
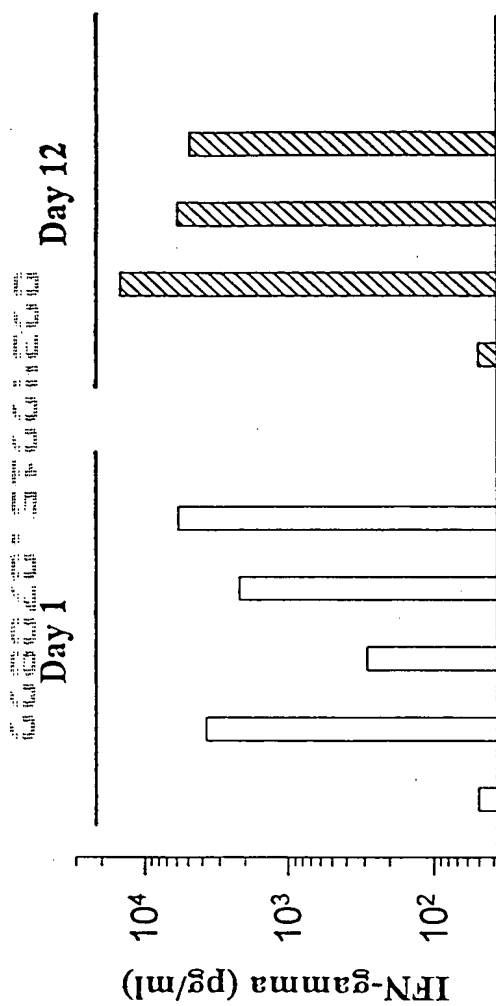


FIG. 24

FIG. 27

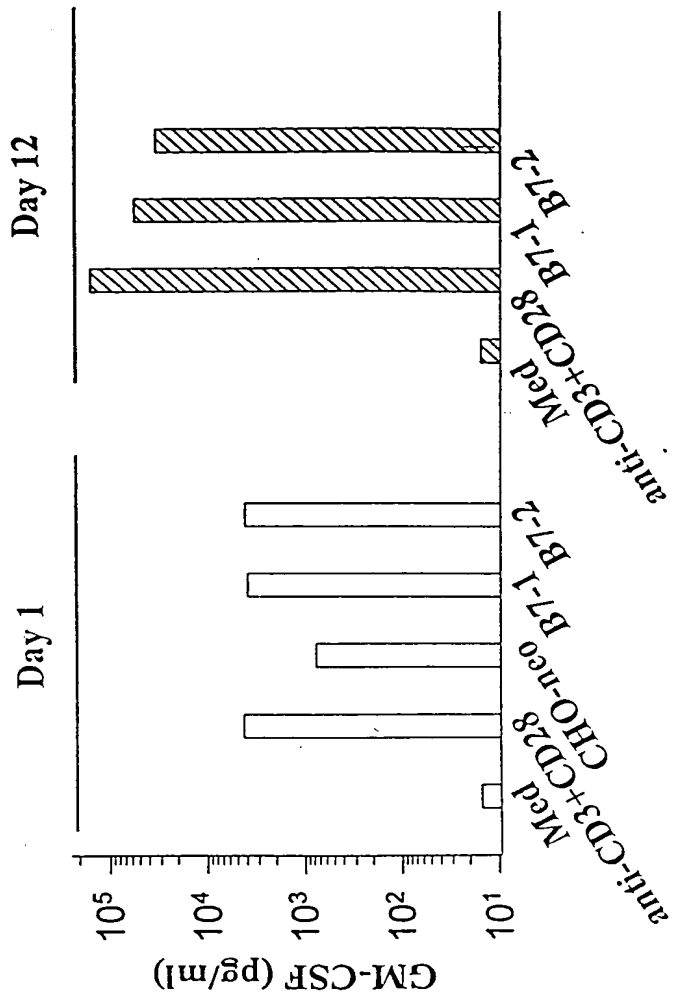
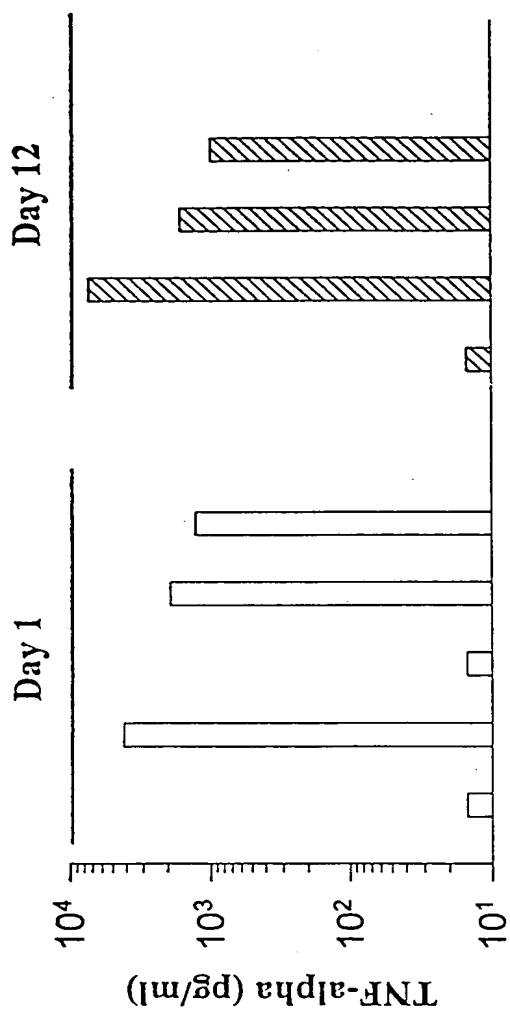


FIG. 27

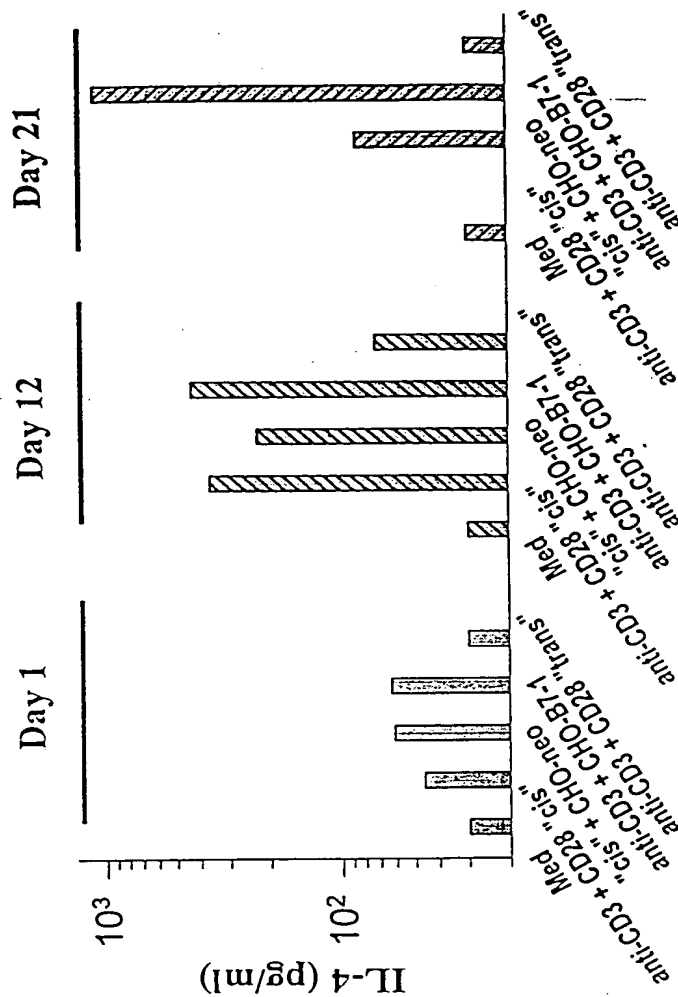
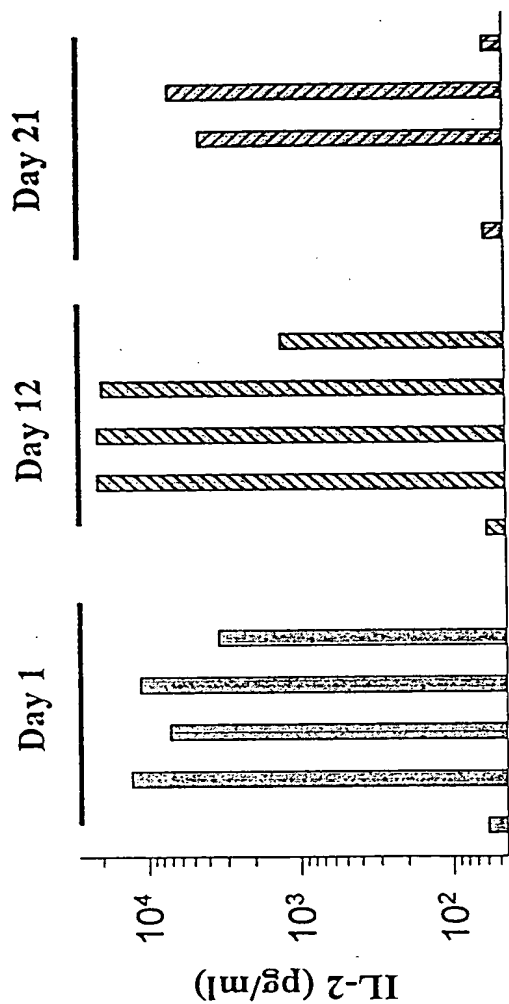


FIG. 28

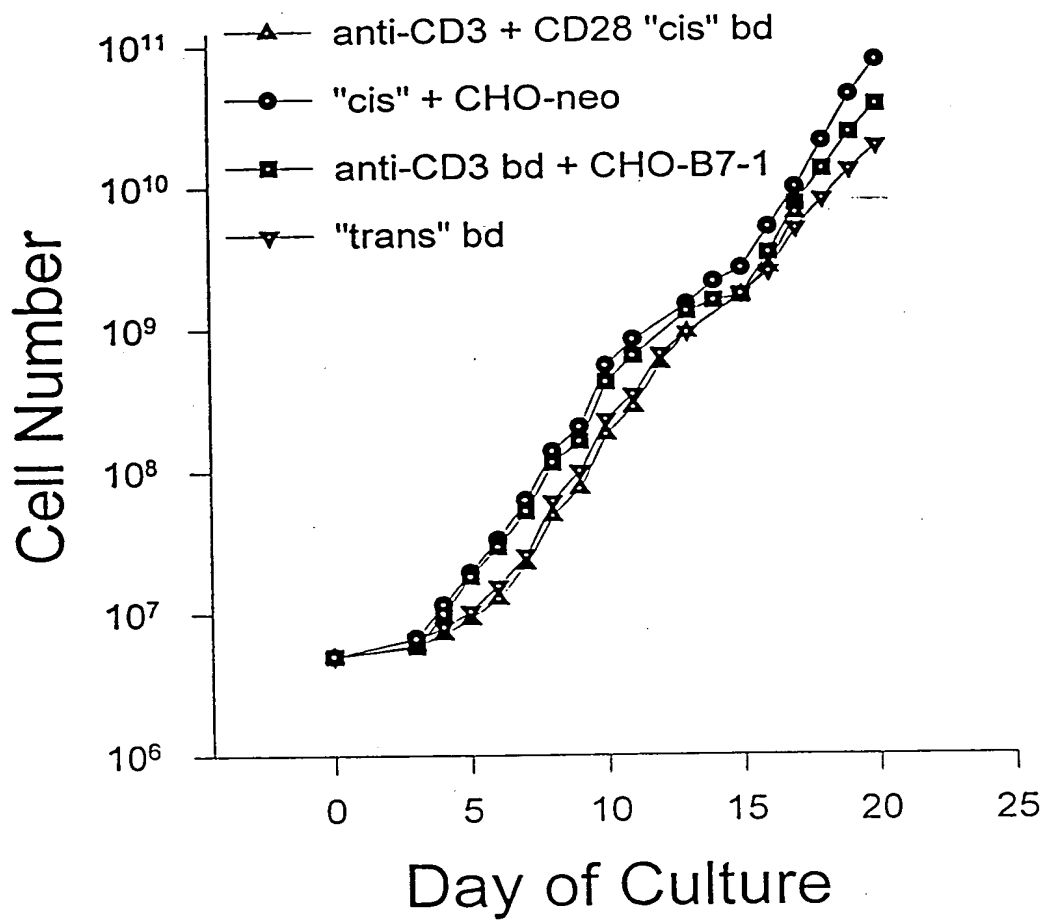


FIG. 29

# HIV PI# 713814

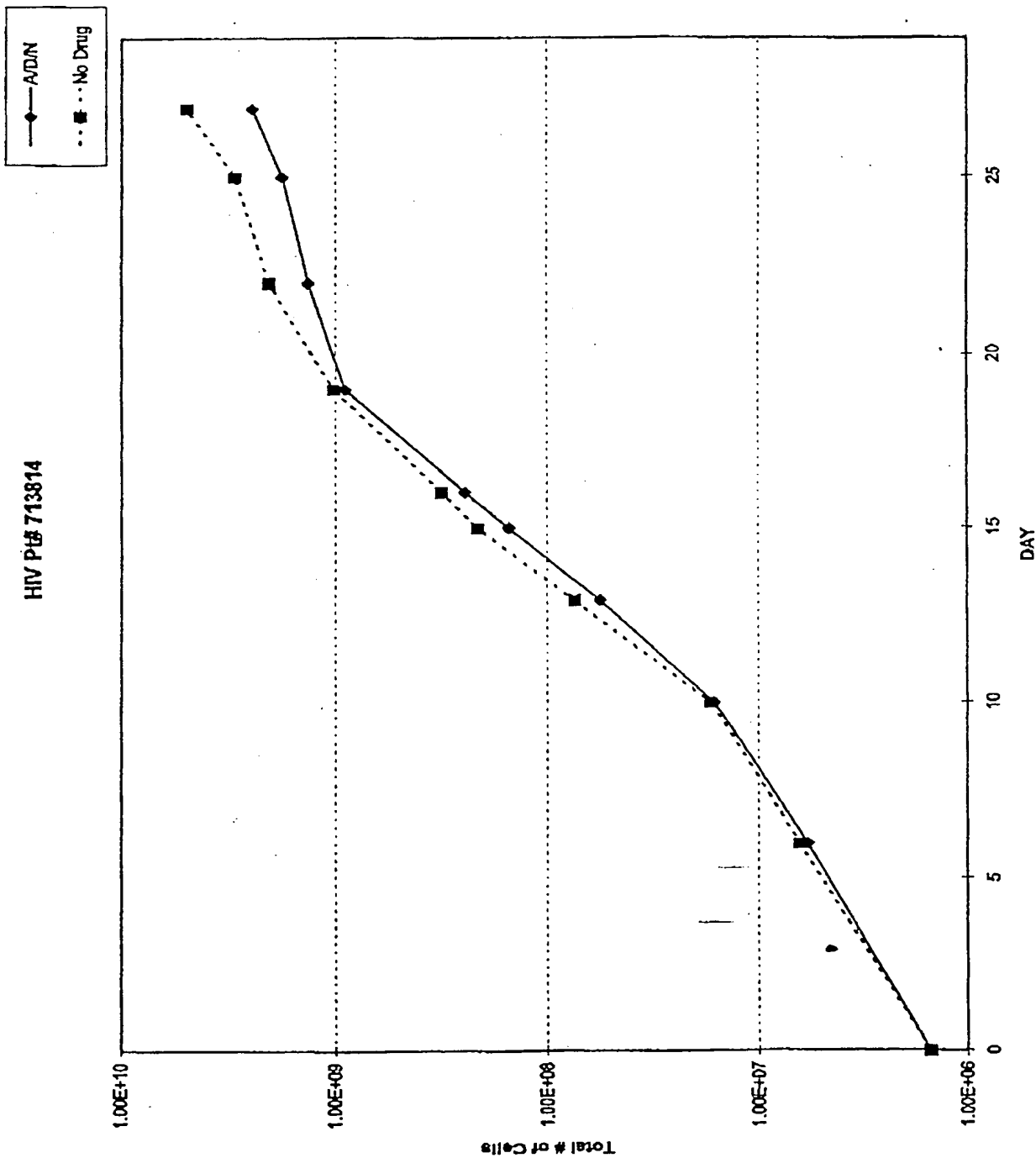


FIG. 30

# POPULATION DOUBLING

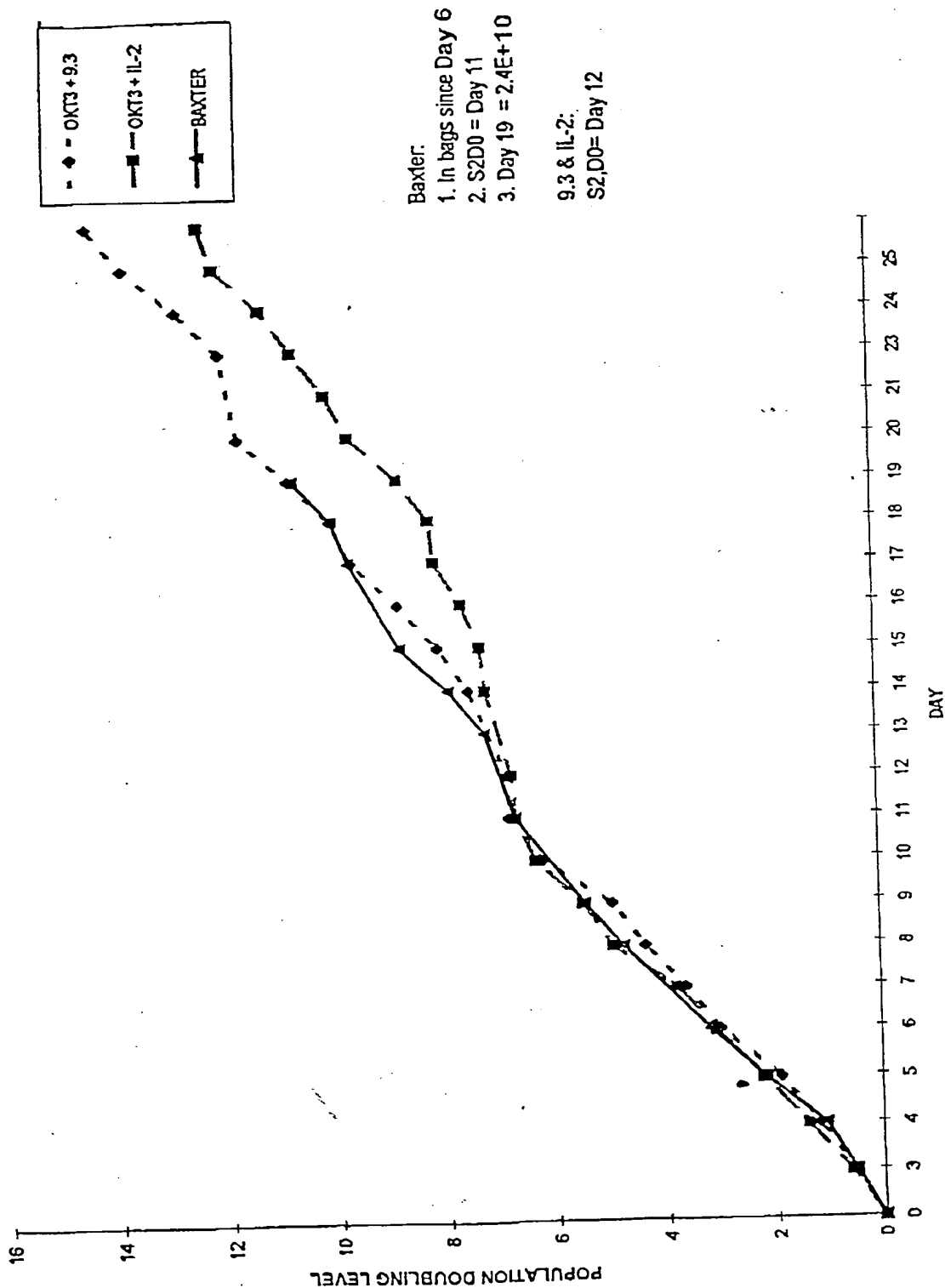


FIG. 31